

AMENDMENTS TO THE CLAIMS

Please rewrite the claims as follows:

Claims 1-25 (Canceled)

Claims 26-34 (Canceled)

35. (New) An image display apparatus comprising:

 a color-separating optical system for separating light from a light source into a first color light beam, a second color light beam, and a third color light beam, which are different in color from one another;

 a first display element for modulating the first color light beam to form an image of the first color;

 a second display element for modulating the second color light beam to form an image of the second color;

 a third display element for modulating the third color light beam to form an image of the third color;

 a drive circuit for driving said first display element with a first image signal corresponding to the first color, said second display element with a second image signal corresponding to the second color, and said third display element with a third image signal corresponding to the third color; and

 a filter that is adapted to be moved into or out of an optical path of the first

color, purity of the first color being varied in between a state in which the filter is in the optical path of the first color and a state in which the filter is off the optical path of the first color,
wherein said drive circuit changes said second image signal in between the state in which the filter is in the optical path on the first color and the state in which the filter is off the optical path of the first color.

36. (New) An image display apparatus according to claim 35, wherein said first color is red, said second color is blue, and said third color is green.

37. (New) An image display apparatus according to claim 35, wherein said first color is green, said second color is blue, and said third color is red.

38. (New) An image display apparatus according to claim 35, wherein said filter is a band cut filter or an edge filter.

39. (New) An image display apparatus according to claim 35, wherein said change of said second image signal is performed by adding attenuated first image signal to said second image signal.

40. (New) An image display apparatus according to claim 39, wherein said attenuated first image signal is an image signal that red or green image signal is attenuated, and said second image signal is blue image signal.

41. (New) An image display apparatus according to claim 35, wherein said change of said second image signal is performed by adding an attenuation differential signal that a differential signal between said first image signal and said second image signal is attenuated, to said second image signal.

42. (New) An image display apparatus according to claim 41, wherein said attenuation differential signal is a signal that a differential signal between red or green image signal and blue signal is attenuated, and said second image signal is the blue image signal.

43. (New) An image display apparatus according to claim 35, further comprising detection means for detecting a position of said filter, wherein said drive circuit changes said second image signal in accordance with a signal from said detection means.

44. (New) An image display apparatus according to claim 35, further comprising:

a combining system for combining first light emerging from said first display element, second light emerging from said second display element, and third light emerging from said third display element; and

a projecting system for projecting the lights emerging from said combining system.

45. (New) An image display apparatus comprising:

a color-separating optical system for separating light from a light source into a first color light beam, a second color light beam, and a third color light beam, which are different in color from one another;

a first display element for modulating the first color light beam to form an image of the first color;

a second display element for modulating the second color light beam to form an image of the second color;

a third display element for modulating the third color light beam to form an image of the third color;

a drive circuit for driving said first display element with a first image signal corresponding to the first color, said second display element with a second image signal corresponding to the second color, and said third display element with a third image signal corresponding to the third color; and

a filter that is adapted to be moved into or out of an optical path of the first color, purity of the first color is rendered a first purity when the filter is in the optical path of the first color and purity of the first color is rendered a second purity that is lower than the first purity when the filter is off the optical path of the first color,

wherein said drive circuit drives said second display element using a change image signal that said second image signal is changed when said filter is off the optical path of the first color.

46. (New) An image display apparatus according to claim 45, wherein said first color is red, said second color is blue, and said third color is green.

47. (New) An image display apparatus according to claim 45, wherein said first color is green, said second color is blue, and said third color is red.

48. (New) An image display apparatus according to claim 45, wherein said filter is a cut band filter or an edge filter.

49. (New) An image display apparatus according to claim 45, wherein said change image signal is produced by adding an attenuated first image signal to said second image signal.

50. (New) An image display apparatus according to claim 49, wherein said attenuated first image signal is an image signal that a red or green image signal is attenuated, and said second image signal is a blue image signal.

51. (New) An image display apparatus according to claim 45, wherein said change image signal is produced by adding an attenuation differential signal that a differential signal between said first image signal and said second image signal is attenuated, to said second image signal.

52. (New) An image display apparatus according to claim 51, wherein said attenuation differential signal is a signal that a differential signal between a red or green image signal and a blue image signal is attenuated, and said second image signal is the blue image signal.

53. (New) An image display apparatus according to claim 45, further comprising detection means for detecting a position of said filter, wherein said drive circuit drives said second display element in accordance with a signal, from said detection means, indicative of said filter being off the optical path of the first color.

54. (New) An image display apparatus according to claim 45 further comprising:

a combining system for combining first light emerging from said first display element, second light emerging from said second display element, and third light emerging from said third display element; and

a projection system for projecting the lights emerging from said combining system.

55. (New) A display apparatus for making a plurality of light beams of mutually different colors incident to at least one display element, modulating said beams of the respective colors by driving said at least one display element according to an image signal of the respective colors corresponding to said respective colors and forming images of the respective colors, wherein purity of at least one color out of said colors is varied by moving a filter into or out of an optical path of said at least one color and wherein the image signal of the other one color different from said at least one color for driving said display element is changed in accordance with variation of the purity of said at least one color.

56. (New) A display apparatus according to claim 55, wherein when said purity is relatively low, an image of said at least one color is formed by using the light beam of said at least one color and the light beam of the other one color.

57. (New) A display apparatus according to claim 55, wherein said at least one color is red or green.

58. (New) A display apparatus according to claim 55, wherein said at least one color is red or green, and said other one color is blue.

59. (New) A display apparatus according to claim 55, further comprising detection means for detecting a position of said filter and wherein said image signal of said other one color for driving said display element is changed in accordance with a signal from said detection means.

60. (New) A display apparatus according to claim 55, wherein when said filter is off the optical path, an image of said at least one color is formed by using the light beam of said at least one color and the light beam of said other one color.

61. (New) A display apparatus according to claim 55, further comprising a projection optical system for enlarging and projecting said images of respective colors formed by said at least one display element onto a plane.

62. (New) A display apparatus according to claim 55, wherein said filter is a band cut filter or an edge filter.

63. (New) A display apparatus according to claim 55, wherein the change of said image signal of said other one color is performed by adding attenuated image signal of said at least one color to said image signal of said other one color.

64. (New) A display apparatus according to claim 63, wherein said attenuated image signal of said at least one color is an image signal that a red or green image signal is attenuated, and said image signal of said other one color is a blue image signal.

65. (New) A display apparatus according to claim 55, wherein the change of said image signal of said other one color is performed by adding an attenuation differential signal that is a differential signal between said image signal of said at least one color and said image signal of said other one color is attenuated, to said image signal of said other one color.

66. (New) A display apparatus according to claim 65, wherein said attenuation differential signal is a signal that is a differential signal between a red or green image signal and a blue image signal is attenuated, and said image signal of said other one color is the blue image signal.